RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/510,627A
Source: PCT/10
Date Processed by STIC: 9/2/05

ENTERED

PCT

RAW SEQUENCE LISTING DATE: 09/02/2005
PATENT APPLICATION: **US/10/510,627A** TIME: 15:00:09

Input Set : **A:\PTO.KD.txt**
Output Set: **N:\CRF4\09012005\J510627A.raw**

```
     3 <110> APPLICANT: TOKAI UNIVERSITY
     4       KYOWA HAKKO KOGYO CO., LTD.
     5       KYOWA MEDEX CO., LTD.
     7 <120> TITLE OF INVENTION: A diagnostic method and a diagnostic agent for
     8       leukemia, preleukemia and leukemic malignant hemopathy
    10 <130> FILE REFERENCE: 09617.0001
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/510,627A
C--> 13 <141> CURRENT FILING DATE: 2004-10-08
    15 <150> PRIOR APPLICATION NUMBER: JP P2002-106786
    16 <151> PRIOR FILING DATE: 2002-04-09
    18 <160> NUMBER OF SEQ ID NOS: 11
    20 <170> SOFTWARE: PatentIn Ver. 2.1
    22 <210> SEQ ID NO: 1
    23 <211> LENGTH: 302
    24 <212> TYPE: PRT
    25 <213> ORGANISM: Homo sapiens
    27 <400> SEQUENCE: 1
    28 Ala Arg Gly Ala Glu Arg Glu Trp Glu Gly Gly Trp Gly Gly Ala Gln
    29   1               5                  10                  15
    31 Glu Glu Glu Arg Glu Arg Glu Ala Leu Met Leu Lys His Leu Gln Glu
    32              20                  25                  30
    34 Ala Leu Gly Leu Pro Ala Gly Arg Gly Asp Glu Asn Pro Ala Gly Thr
    35          35                  40                  45
    37 Val Glu Gly Lys Glu Asp Trp Glu Met Glu Glu Asp Gln Gly Glu Glu
    38      50                  55                  60
    40 Glu Glu Glu Glu Ala Thr Pro Thr Pro Ser Ser Gly Pro Ser Pro Ser
    41  65                  70                  75                  80
    43 Pro Thr Pro Glu Asp Ile Val Thr Tyr Ile Leu Gly Arg Leu Ala Gly
    44                  85                  90                  95
    46 Leu Asp Ala Gly Leu His Gln Leu His Val Arg Leu His Ala Leu Asp
    47              100                 105                 110
    49 Thr Arg Val Val Glu Leu Thr Gln Gly Leu Arg Gln Leu Arg Asn Ala
    50          115                 120                 125
    52 Ala Gly Asp Thr Arg Asp Ala Val Gln Ala Leu Gln Glu Ala Gln Gly
    53      130                 135                 140
    55 Arg Ala Glu Arg Glu His Gly Arg Leu Glu Gly Cys Leu Lys Gly Leu
    56 145                 150                 155                 160
    58 Arg Leu Gly His Lys Cys Phe Leu Leu Ser Arg Asp Phe Glu Ala Gln
    59                  165                 170                 175
    61 Ala Ala Ala Gln Ala Arg Cys Thr Ala Arg Gly Gly Ser Leu Ala Gln
    62              180                 185                 190
    64 Pro Ala Asp Arg Gln Gln Met Glu Ala Leu Thr Arg Tyr Leu Arg Ala
    65          195                 200                 205
```

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67 Ala Leu Ala Pro Tyr Asn Trp Pro Val Trp Leu Gly Val His Asp Arg
68     210                 215                 220
70 Arg Ala Glu Gly Leu Tyr Leu Phe Glu Asn Gly Gln Arg Val Ser Phe
71 225                 230                 235                 240
73 Phe Ala Trp His Arg Ser Pro Arg Pro Glu Leu Gly Ala Gln Pro Ser
74                 245                 250                 255
76 Ala Ser Pro His Pro Leu Ser Pro Asp Gln Pro Asn Gly Gly Thr Leu
77             260                 265                 270
79 Glu Asn Cys Val Ala Gln Ala Ser Asp Asp Gly Ser Trp Trp Asp His
80         275                 280                 285
82 Asp Cys Gln Arg Arg Leu Tyr Tyr Val Cys Glu Phe Pro Phe
83     290                 295                 300
86 <210> SEQ ID NO: 2
87 <211> LENGTH: 224
88 <212> TYPE: PRT
89 <213> ORGANISM: Homo sapiens
91 <400> SEQUENCE: 2
92 Ala Arg Gly Ala Glu Arg Glu Trp Glu Gly Gly Trp Gly Gly Ala Gln
93   1               5                  10                  15
95 Glu Glu Glu Arg Glu Arg Glu Ala Leu Met Leu Lys His Leu Gln Glu
96             20                  25                  30
98 Ala Leu Gly Leu Pro Ala Gly Arg Gly Asp Glu Asn Pro Ala Gly Thr
99          35                  40                  45
101 Val Glu Gly Lys Glu Asp Trp Glu Met Glu Glu Asp Gln Gly Glu Glu
102      50                  55                  60
104 Glu Glu Glu Glu Ala Thr Pro Thr Pro Ser Ser Gly Pro Ser Pro Ser
105  65                  70                  75                  80
107 Pro Thr Pro Glu Asp Ile Val Thr Tyr Ile Leu Gly Arg Leu Ala Gly
108                 85                  90                  95
110 Leu Asp Ala Gly Leu His Gln Leu His Val Arg Leu His Ala Leu Asp
111             100                 105                 110
113 Thr Arg Val Val Glu Leu Thr Gln Gly Leu Arg Gln Leu Arg Asn Ala
114         115                 120                 125
116 Ala Gly Asp Thr Arg Asp Ala Val Gln Ala Leu Gln Glu Ala Gln Gly
117     130                 135                 140
119 Arg Ala Glu Arg Glu His Gly Arg Leu Glu Gly Cys Leu Lys Gly Leu
120 145                 150                 155                 160
122 Arg Leu Gly His Lys Cys Phe Leu Leu Ser Arg Asp Phe Glu Ala Gln
123                 165                 170                 175
125 Pro Ser Ala Ser Pro His Pro Leu Ser Pro Asp Gln Pro Asn Gly Gly
126             180                 185                 190
128 Thr Leu Glu Asn Cys Val Ala Gln Ala Ser Asp Asp Gly Ser Trp Trp
129         195                 200                 205
131 Asp His Asp Cys Gln Arg Arg Leu Tyr Tyr Val Cys Glu Phe Pro Phe
132     210                 215                 220
135 <210> SEQ ID NO: 3
136 <211> LENGTH: 248
137 <212> TYPE: PRT
138 <213> ORGANISM: Homo sapiens
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PATENT APPLICATION: **US/10/510,627A** TIME: 15:00:09

Input Set : **A:\PTO.KD.txt**
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140 <400> SEQUENCE: 3
142 Glu Gly Ile Cys Arg Asn Arg Val Thr Asn Asn Val Lys Asp Val Thr
143   1               5                  10                  15
145 Lys Leu Val Ala Asn Leu Pro Lys Asp Tyr Met Ile Thr Leu Lys Tyr
146              20                  25                  30
148 Val Pro Gly Met Asp Val Leu Pro Ser His Cys Trp Ile Ser Glu Met
149          35                  40                  45
151 Val Val Gln Leu Ser Asp Ser Leu Thr Asp Leu Leu Asp Lys Phe Ser
152      50                  55                  60
154 Asn Ile Ser Glu Gly Leu Ser Asn Tyr Ser Ile Ile Asp Lys Leu Val
155  65                  70                  75                  80
157 Asn Ile Val Asp Asp Leu Val Glu Cys Val Lys Glu Asn Ser Ser Lys
158                  85                  90                  95
160 Asp Leu Lys Lys Ser Phe Lys Ser Pro Glu Pro Arg Leu Phe Thr Pro
161              100                 105                 110
163 Glu Glu Phe Phe Arg Ile Phe Asn Arg Ser Ile Asp Ala Phe Lys Asp
164          115                 120                 125
166 Phe Val Val Ala Ser Glu Thr Ser Asp Cys Val Val Ser Ser Thr Leu
167      130                 135                 140
169 Ser Pro Glu Lys Asp Ser Arg Val Ser Val Thr Lys Pro Phe Met Leu
170 145                 150                 155                 160
172 Pro Pro Val Ala Ala Ser Ser Leu Arg Asn Asp Ser Ser Ser Ser Asn
173                 165                 170                 175
175 Arg Lys Ala Lys Asn Pro Pro Gly Asp Ser Ser Leu His Trp Ala Ala
176              180                 185                 190
178 Met Ala Leu Pro Ala Leu Phe Ser Leu Ile Ile Gly Phe Ala Phe Gly
179          195                 200                 205
181 Ala Leu Tyr Trp Lys Lys Arg Gln Pro Ser Leu Thr Arg Ala Val Glu
182      210                 215                 220
184 Asn Ile Gln Ile Asn Glu Glu Asp Asn Glu Ile Ser Met Leu Gln Glu
185 225                 230                 235                 240
187 Lys Glu Arg Glu Phe Gln Glu Val
188                 245
191 <210> SEQ ID NO: 4
192 <211> LENGTH: 22
193 <212> TYPE: PRT
194 <213> ORGANISM: Homo sapiens
196 <400> SEQUENCE: 4
197 Arg Glu Trp Glu Gly Gly Gly Trp Gly Gly Ala Gln Glu Glu Glu Arg
198   1               5                  10                  15
200 Glu Arg Glu Ala Leu Cys
201              20
204 <210> SEQ ID NO: 5
205 <211> LENGTH: 10
206 <212> TYPE: PRT
207 <213> ORGANISM: Homo sapiens
209 <400> SEQUENCE: 5
211 Ala Arg Gly Ala Glu Arg Glu Trp Glu Gly
212   1               5                  10
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PATENT APPLICATION: **US/10/510,627A** TIME: 15:00:09

Input Set : **A:\PTO.KD.txt**
Output Set: **N:\CRF4\09012005\J510627A.raw**

214 <210> SEQ ID NO: 6
215 <211> LENGTH: 10
216 <212> TYPE: PRT
217 <213> ORGANISM: Homo sapiens
219 <220> FEATURE:
220 <221> NAME/KEY: unsure
221 <222> LOCATION: (1)
222 <223> OTHER INFORMATION: Xaa is unsure
224 <400> SEQUENCE: 6
W--> 225 **Xaa Leu Gln Glu Ala Leu Gly Leu Pro Ala**
226 1 5 10
229 <210> SEQ ID NO: 7
230 <211> LENGTH: 10
231 <212> TYPE: PRT
232 <213> ORGANISM: Homo sapiens
234 <400> SEQUENCE: 7
235 Asp Gln Gly Glu Glu Glu Glu Glu Glu Ala
236 1 5 10
239 <210> SEQ ID NO: 8
240 <211> LENGTH: 22
241 <212> TYPE: DNA
242 <213> ORGANISM: Artificial Sequence
244 <220> FEATURE:
245 <223> OTHER INFORMATION: Description of Artificial Sequence: oligo DNA base sequence
247 <400> SEQUENCE: 8
248 cccatcacca tcttccagga gc 22
251 <210> SEQ ID NO: 9
252 <211> LENGTH: 26
253 <212> TYPE: DNA
254 <213> ORGANISM: Artificial Sequence
256 <220> FEATURE:
257 <223> OTHER INFORMATION: Description of Artificial Sequence: oligo DNA base sequence
259 <400> SEQUENCE: 9
260 ttcaccacct tcttgatgtc atcata 26
263 <210> SEQ ID NO: 10
264 <211> LENGTH: 19
265 <212> TYPE: DNA
266 <213> ORGANISM: Artificial Sequence
268 <220> FEATURE:
269 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA primer
271 <400> SEQUENCE: 10
272 gtcctctttt ccctcaaca 19
275 <210> SEQ ID NO: 11
276 <211> LENGTH: 18
277 <212> TYPE: DNA
278 <213> ORGANISM: Artificial Sequence
280 <220> FEATURE:
281 <223> OTHER INFORMATION: Description of Artificial Sequence: DNA primer
283 <400> SEQUENCE: 11

284 ttttgggggc tttggtgg 18

RAW SEQUENCE LISTING ERROR SUMMARY DATE: 09/02/2005
PATENT APPLICATION: **US/10/510,627A** TIME: 15:00:10

Input Set : **A:\PTO.KD.txt**
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Please Note:
Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:6; Xaa Pos. 1

VERIFICATION SUMMARY DATE: 09/02/2005
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Input Set : **A:\PTO.KD.txt**
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L:12 M:270 C: Current Application Number differs, Replaced Application Number
L:13 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:225 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:6 after pos.:0